Fabian Walter

List of Publications by Citations

385 papers	37,257 citations	98 h-index	180 g-index
393 ext. papers	41,578 ext. citations	6.3 avg, IF	6.95 L-index

#	Paper	IF	Citations
385	THE STAR FORMATION EFFICIENCY IN NEARBY GALAXIES: MEASURING WHERE GAS FORMS STARS EFFECTIVELY. *Astronomical Journal*, **2008**, 136, 2782-2845	4.9	1263
384	THE STAR FORMATION LAW IN NEARBY GALAXIES ON SUB-KPC SCALES. *Astronomical Journal*, **2008**, 136, 2846-2871	4.9	1221
383	SINGS: TheSIRTFNearby Galaxies Survey. *Publications of the Astronomical Society of the Pacific*, **2003**, 115, 928-952	5	954
382	THINGS: THE H I NEARBY GALAXY SURVEY. *Astronomical Journal*, **2008**, 136, 2563-2647	4.9	900
381	Dust Masses, PAH Abundances, and Starlight Intensities in the SINGS Galaxy Sample. *Astrophysical Journal*, **2007**, 663, 866-894	4.7	727
380	VERY HIGH GAS FRACTIONS AND EXTENDED GAS RESERVOIRS INz= 1.5 DISK GALAXIES. *Astrophysical Journal*, **2010**, 713, 686-707	4.7	685
379	Cool Gas in High-Redshift Galaxies. *Annual Review of Astronomy and Astrophysics*, **2013**, 51, 105-161	31.7	684
378	The Calibration of Mid-Infrared Star Formation Rate Indicators. *Astrophysical Journal*, **2007**, 666, 870-895	4.7	675
377	The Mid-Infrared Spectrum of Star-forming Galaxies: Global Properties of Polycyclic Aromatic Hydrocarbon Emission. *Astrophysical Journal*, **2007**, 656, 770-791	4.7	654
376	HIGH-RESOLUTION ROTATION CURVES AND GALAXY MASS MODELS FROM THINGS. *Astronomical Journal*, **2008**, 136, 2648-2719	4.9	629
375	DIFFERENT STAR FORMATION LAWS FOR DISKS VERSUS STARBURSTS AT LOW AND HIGH REDSHIFTS. *Astrophysical Journal Letters*, **2010**, 714, L118-L122	7.9	542
374	An 800-million-solar-mass black hole in a significantly neutral Universe at a redshift of 7.5. *Nature*, **2018**, 553, 473-476	50.4	484
373	HERACLES: THE HERA CO LINE EXTRAGALACTIC SURVEY. *Astronomical Journal*, **2009**, 137, 4670-4696	4.9	425
372	MOLECULAR GAS AND STAR FORMATION IN NEARBY DISK GALAXIES. *Astronomical Journal*, **2013**, 146, 19	4.9	420
371	Star Formation in NGC 5194 (M51a). II. The Spatially Resolved Star Formation Law. *Astrophysical Journal*, **2007**, 671, 333-348	4.7	411
370	COMBINED CO AND DUST SCALING RELATIONS OF DEPLETION TIME AND MOLECULAR GAS FRACTIONS WITH COSMIC TIME, SPECIFIC STAR-FORMATION RATE, AND STELLAR MASS. *Astrophysical Journal*, **2015**, 800, 20	4.7	395
369	A MOLECULAR STAR FORMATION LAW IN THE ATOMIC-GAS-DOMINATED REGIME IN NEARBY GALAXIES. *Astronomical Journal*, **2011**, 142, 37	4.9	382

368	COMPARISON OF H□AND UV STAR FORMATION RATES IN THE LOCAL VOLUME: SYSTEMATIC DISCREPANCIES FOR DWARF GALAXIES. *Astrophysical Journal*, **2009**, 706, 599-613	4.7	372
367	The Resolved Properties of Extragalactic Giant Molecular Clouds. *Astrophysical Journal*, **2008**, 686, 948-965	4.7	369
366	THESPITZERLOCAL VOLUME LEGACY: SURVEY DESCRIPTION AND INFRARED PHOTOMETRY. *Astrophysical Journal*, **2009**, 703, 517-556	4.7	361
365	THE EVOLVING INTERSTELLAR MEDIUM OF STAR-FORMING GALAXIES SINCEz= 2 AS PROBED BY THEIR INFRARED SPECTRAL ENERGY DISTRIBUTIONS. *Astrophysical Journal*, **2012**, 760, 6	4.7	354
364	THE CO-TO-H2CONVERSION FACTOR AND DUST-TO-GAS RATIO ON KILOPARSEC SCALES IN NEARBY GALAXIES. *Astrophysical Journal*, **2013**, 777, 5	4.7	347
363	PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions. *Astrophysical Journal*, **2018**, 853, 179	4.7	332
362	KINGFISHKey Insights on Nearby Galaxies: A Far-Infrared Survey withHerschel: Survey Description and Image Atlas1. *Publications of the Astronomical Society of the Pacific*, **2011**, 123, 1347-1369	5	302
361	An Ultraviolet-to-Radio Broadband Spectral Atlas of Nearby Galaxies. *Astrophysical Journal*, **2007**, 655, 863-884	4.7	298
360	THE LARGE APEX BOLOMETER CAMERA SURVEY OF THE EXTENDED CHANDRA DEEP FIELD SOUTH. *Astrophysical Journal*, **2009**, 707, 1201-1216	4.7	287
359	EXTREMELY INEFFICIENT STAR FORMATION IN THE OUTER DISKS OF NEARBY GALAXIES. *Astronomical Journal*, **2010**, 140, 1194-1213	4.9	278
358	A CONSTANT MOLECULAR GAS DEPLETION TIME IN NEARBY DISK GALAXIES. *Astrophysical Journal Letters*, **2011**, 730, L13	7.9	275
357	STAR FORMATION AND GAS KINEMATICS OF QUASAR HOST GALAXIES ATz~ 6: NEW INSIGHTS FROM ALMA. *Astrophysical Journal*, **2013**, 773, 44	4.7	272
356	THE CALIBRATION OF MONOCHROMATIC FAR-INFRARED STAR FORMATION RATE INDICATORS. *Astrophysical Journal*, **2010**, 714, 1256-1279	4.7	265
355	Resolved Molecular Gas in a Quasar Host Galaxy at Redshift [FORMULA][F]z=6.42[/F][/FORMULA]. *Astrophysical Journal*, **2004**, 615, L17-L20	4.7	264
354	AN ALMA SURVEY OF SUB-MILLIMETER GALAXIES IN THE EXTENDEDCHANDRADEEP FIELD SOUTH: PHYSICAL PROPERTIES DERIVED FROM ULTRAVIOLET-TO-RADIO MODELING. *Astrophysical Journal* , **2015**, 806, 110	4.7	254
353	Evidence of strong quasar feedback in the early Universe. *Monthly Notices of the Royal Astronomical Society: Letters*, **2012**, 425, L66-L70	4.3	254
352	ON THE EFFECT OF THE COSMIC MICROWAVE BACKGROUND IN HIGH-REDSHIFT (SUB-)MILLIMETER OBSERVATIONS. *Astrophysical Journal*, **2013**, 766, 13	4.7	236
351	Molecular gas in the host galaxy of a quasar at redshift z = 6.42. *Nature*, **2003**, 424, 406-8	50.4	234

350	WHAT IS DRIVING THE H I VELOCITY DISPERSION?. *Astronomical Journal*, **2009**, 137, 4424-4435	4.9	228
349	AN ALMA SURVEY OF SUBMILLIMETER GALAXIES IN THE EXTENDED CHANDRA DEEP FIELD SOUTH: SOURCE CATALOG AND MULTIPLICITY. *Astrophysical Journal*, **2013**, 768, 91	4.7	226
348	HIGH-RESOLUTION DARK MATTER DENSITY PROFILES OF THINGS DWARF GALAXIES: CORRECTING FOR NONCIRCULAR MOTIONS. *Astronomical Journal*, **2008**, 136, 2761-2781	4.9	226
347	An ALMA survey of sub-millimetre Galaxies in the Extended Chandra Deep Field South: the far-infrared properties of SMGs. *Monthly Notices of the Royal Astronomical Society*, **2014**, 438, 1267-1287	4.3	225
346	LITTLE THINGS. *Astronomical Journal*, **2012**, 144, 134	4.9	221
345	Black hole accretion and star formation as drivers of gas excitation and chemistry in Markarian 231. *Astronomy and Astrophysics*, **2010**, 518, L42	5.1	216
344	Molecular Gas in M82: Resolving the Outflow and Streamers. *Astrophysical Journal*, **2002**, 580, L21-L25	4.7	215
343	AN ALMA SURVEY OF SUBMILLIMETER GALAXIES IN THE EXTENDED CHANDRA DEEP FIELD SOUTH: THE REDSHIFT DISTRIBUTION AND EVOLUTION OF SUBMILLIMETER GALAXIES. *Astrophysical Journal*, **2014**, 788, 125	4.7	201
342	An ALMA survey of submillimetre galaxies in the Extended Chandra Deep Field South: high-resolution 870 μm source counts. *Monthly Notices of the Royal Astronomical Society*, **2013**, 432, 2-9	4.3	196
341	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: THE INFRARED EXCESS OF UV-SELECTEDz= 2–10 GALAXIES AS A FUNCTION OF UV-CONTINUUM SLOPE AND STELLAR MASS. *Astrophysical Journal*, **2016**, 833, 72	4.7	195
340	First detection of [CII]158 μm at high redshift: vigorous star formation in the early universe. *Astronomy and Astrophysics*, **2005**, 440, L51-L54	5.1	194
339	THE PAN-STARRS1 DISTANT z > 5.6 QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. *Astrophysical Journal, Supplement Series*, **2016**, 227, 11	8	193
338	Highly-excited CO emission in APM 08279+5255 atz = 3.9. *Astronomy and Astrophysics*, **2007**, 467, 955-969	5.1	192
337	HERSCHELFAR-INFRARED AND SUBMILLIMETER PHOTOMETRY FOR THE KINGFISH SAMPLE OF NEARBY GALAXIES. *Astrophysical Journal*, **2012**, 745, 95	4.7	191
336	The intense starburst HDF 850.1 in a galaxy overdensity at z ≈ 5.2 in the Hubble Deep Field. *Nature*, **2012**, 486, 233-6	50.4	190
335	MOLECULAR GAS INz~ 6 QUASAR HOST GALAXIES. *Astrophysical Journal*, **2010**, 714, 699-712	4.7	186
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328	CO excitation of normal star-forming galaxies out toz= 1.5 as regulated by the properties of their interstellar medium. *Astronomy and Astrophysics*, **2015**, 577, A46	5.1	169
327	The LABOCA survey of the Extended Chandra Deep Field-South: a photometric redshift survey of submillimetre galaxies. *Monthly Notices of the Royal Astronomical Society*, **2011**, 415, 1479-1508	4.3	167
326	LOW CO LUMINOSITIES IN DWARF GALAXIES. *Astronomical Journal*, **2012**, 143, 138	4.9	161
325	KILOPARSEC-SCALE DUST DISKS IN HIGH-REDSHIFT LUMINOUS SUBMILLIMETER GALAXIES. *Astrophysical Journal*, **2016**, 833, 103	4.7	161
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323	Physical Properties of 15 Quasars atz? 6.5. *Astrophysical Journal*, **2017**, 849, 91	4.7	157
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321	DETECTION OF ATOMIC CARBON [C II] 158 ħ AND DUST EMISSION FROM A z = 7.1 QUASAR HOST GALAXY. *Astrophysical Journal Letters*, **2012**, 751, L25	7.9	146
320	An ALMA [C ii] Survey of 27 Quasars atz> 5.94. *Astrophysical Journal*, **2018**, 854, 97	4.7	143
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318	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: SURVEY DESCRIPTION. *Astrophysical Journal*, **2016**, 833, 67	4.7	135
317	BLACK HOLE MASS ESTIMATES AND EMISSION-LINE PROPERTIES OF A SAMPLE OF REDSHIFTz> 6.5 QUASARS. *Astrophysical Journal*, **2014**, 790, 145	4.7	135
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315	ESTIMATING THE STAR FORMATION RATE AT 1 kpc SCALES IN NEARBY GALAXIES. *Astronomical Journal*, **2012**, 144, 3	4.9	133

314	Holes and Shells in the Interstellar Medium of the Nearby Dwarf Galaxy IC 2574. *Astronomical Journal*, **1999**, 118, 273-301	4.9	133
313	LOW MILKY-WAY-LIKE MOLECULAR GAS EXCITATION OF MASSIVE DISK GALAXIES AT z ~ 1.5. *Astrophysical Journal*, **2009**, 698, L178-L182	4.7	132
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304	ALMA REVEALS THE MOLECULAR MEDIUM FUELING THE NEAREST NUCLEAR STARBURST. *Astrophysical Journal*, **2015**, 801, 25	4.7	123
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302	The spectral energy distribution of CO lines in M 82. *Astronomy and Astrophysics*, **2005**, 438, 533-544	5.1	123
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294	A submillimetre galaxy atz= 4.76 in the LABOCA survey of the ExtendedChandra Deep Field-South. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 1905-1914	4.3	106
293	THE MULTI-PHASE COLD FOUNTAIN IN M82 REVEALED BY A WIDE, SENSITIVE MAP OF THE MOLECULAR INTERSTELLAR MEDIUM. *Astrophysical Journal*, **2015**, 814, 83	4.7	105
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291	Mapping the cold dust temperatures and masses of nearby KINGFISH galaxies withHerschel. *Monthly Notices of the Royal Astronomical Society*, **2012**, 425, 763-787	4.3	104
290	STAR FORMATION RELATIONS AND CO SPECTRAL LINE ENERGY DISTRIBUTIONS ACROSS THEJ-LADDER AND REDSHIFT. *Astrophysical Journal*, **2014**, 794, 142	4.7	104
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274	AN ALMA SURVEY OF SUBMILLIMETER GALAXIES IN THE EXTENDED CHANDRA DEEP FIELD SOUTH: NEAR-INFRARED MORPHOLOGIES AND STELLAR SIZES. *Astrophysical Journal*, **2015**, 799, 194	4.7	86
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252	An ALMA Survey of Submillimeter Galaxies in the ExtendedChandraDeep Field South: Spectroscopic Redshifts. *Astrophysical Journal*, **2017**, 840, 78	4.7	74
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